



## Human Resources

**CORRECTED 04/13/2005**  
**UPDATED AUGUST 9, 2005**

DATE POSTED: April 01, 2005

REQ. # 05-084U

**NOTICE OF JOB OPENING**  
**ST. LUCIE COUNTY BOARD OF COUNTY COMMISSIONERS**  
**EQUAL OPPORTUNITY EMPLOYER**

2300 Virginia Avenue Fort Pierce, FL 34982 – 5652

Telephone (772) 462-1546 Jobline (772) 462-1967

<http://co.st-lucie.fl.us>

This position must be posted for at least five (5) working days from **04-01-2005** TO **04-07-2005**, but will remain open until filled.

DEPARTMENT/DIVISION
<b>CENTRAL SERVICES - JAIL</b>

POSITION AVAILABLE
<b>ELECTRONICS TECHNICIAN</b>

# OF OPENINGS
<b>1</b>

STARTING SALARY
<b>\$14.36 / hour</b>

COMMENTS
<b>Driving Position</b>

VETERANS PREFERENCE
It is the policy of St. Lucie County to give preference to eligible veterans and spouses of veterans in appointment and retention in county employment positions in accordance with Chapter 295, Florida Statutes, and Chapter 22VP-1, Florida Administrative Code. Copies of Chapter 295 and Chapter 22VP-1 are available for review in the Human Resources Department.

**JOB CODE: 587**  
**PAY GRADE: 16**  
**SALARY: \$14.36 - \$22.07**  
**ELECTRONICS TECHNICIAN**

**NATURE OF WORK:** This position is independent skilled technical work in the installation, adjustment, maintenance, and modification of instrumentation equipment, PLC's, computers and peripherals, electronic control mechanisms, A/D converters, pneumatic/hydraulic controllers, encoded digital frequency shift telemetry and related communications equipment.

**ILLUSTRATIVE TASKS:**

The work involves the following:

- Maintenance, troubleshooting, and repair of various control equipment and control mechanisms
- Maintaining and repairing a variety of electronic, pneumatic/hydraulic and automatic control devices, sensors, recorders, meters, detectors, and specialized testing devices
- Perform troubleshooting, repair, and maintenance to instrumentation devices including bulb changes, controller lubrication, of motorized valves and flow transmitters
- Assist in installing, adjusting, and maintaining AC and DC devices, sensors, records, analogs/digital parameter transmitters and receivers
- Test faulty equipment and apply knowledge of functional operation of units and systems to diagnose and repair to component level the cause of the malfunction
- Have ability to use pneumatic/hydraulic testers computers, master controllers, microprocessors, laboratory and shop instruments, and other specialized control devices
- Install and test special equipment such as antennae, frequency monitors, microphones, cable, and electrical interference suppressors
- Install, adjust, and maintain medium high and ultra high frequency AC and DC radio receivers, transmitters, and auxiliaries according to diagrams, drawings, and sketches
- Participate in the installation, adjustment, repair, and maintenance of flow loop systems, AC and DC circuitry with solid state electronic micro circuitry, pneumatic control systems, and related systems
- Make complete overhauls including adjusting, repairing, and replacing parts and converting obsolete equipment to conform with present instrumentation design and construction standards
- Install instrumentation controls per specification and make modifications to equipment as necessary
- Determining systems and job requirements for the various technical phases of repair, installation, modification, maintenance and troubleshooting.
- Perform related work as required. Must also be able to learn all other maintenance aspects of the jail in order to be worked into the on-call rotation.

Instructions are given in the form of work orders and the job detailing and planning is determined by the work technician. Work is performed under the general direction of the Superintendent who evaluates the work through discussions, reports, and observation of work results.

**KNOWLEDGE, ABILITIES, AND SKILLS:**

- Knowledge of the principles and theories of industrial electronics/electrical applied to instrumentation control devices
- Knowledge of occupational hazards and safety of the instrumentation, industrial electronic/electrical and chemical trades and work with a variety of voltages
- Knowledge of the standard tools, materials, methods, and practices of the instrumentation and electronic/electrical trades
- Ability to oversee and participate in the repair, testing, maintenance, troubleshooting, and installation of a variety of instrumentation, electronic/electrical devices and related equipment
- Ability to oversee and participate in the work of skilled technicians in the repair, maintenance, construction, and installation of instrumentation devices
- Ability to interpret and work from technical circuit diagrams, schematics, and mechanical blueprints
- Skill in the use and operation of tools and equipment used in testing specialized instrumentation and test devices
- Ability to serve the public and fellow employees with honesty and integrity in full accord with the letter and spirit of St. Lucie County's Ethics and Conflict of Interest policies
- Ability to establish and maintain effective working relationships with the general public, co-workers, elected and appointed officials and members of diverse cultural and linguistic backgrounds regardless of race, religion, age, sex disability, or political affiliation.

**EDUCATION:** Electronic engineering or related field is preferred from an accredited college or trade school or two year A.S. or A.A. degree in the Electronics or related field. A comparable amount of training and / or experience may be substituted for the minimum education requirements. High School diploma or GED required.

**LICENSE, CERTIFICATION, OR REGISTRATION:**

- Valid Class E Florida driver's license
- Clean driving record
- Be able to pass a national background check
- Must be drug-free
- Must be able to pass County physical exam

Union    ✓	Non-Union	Exempt	Non-Exempt    ✓
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